

100

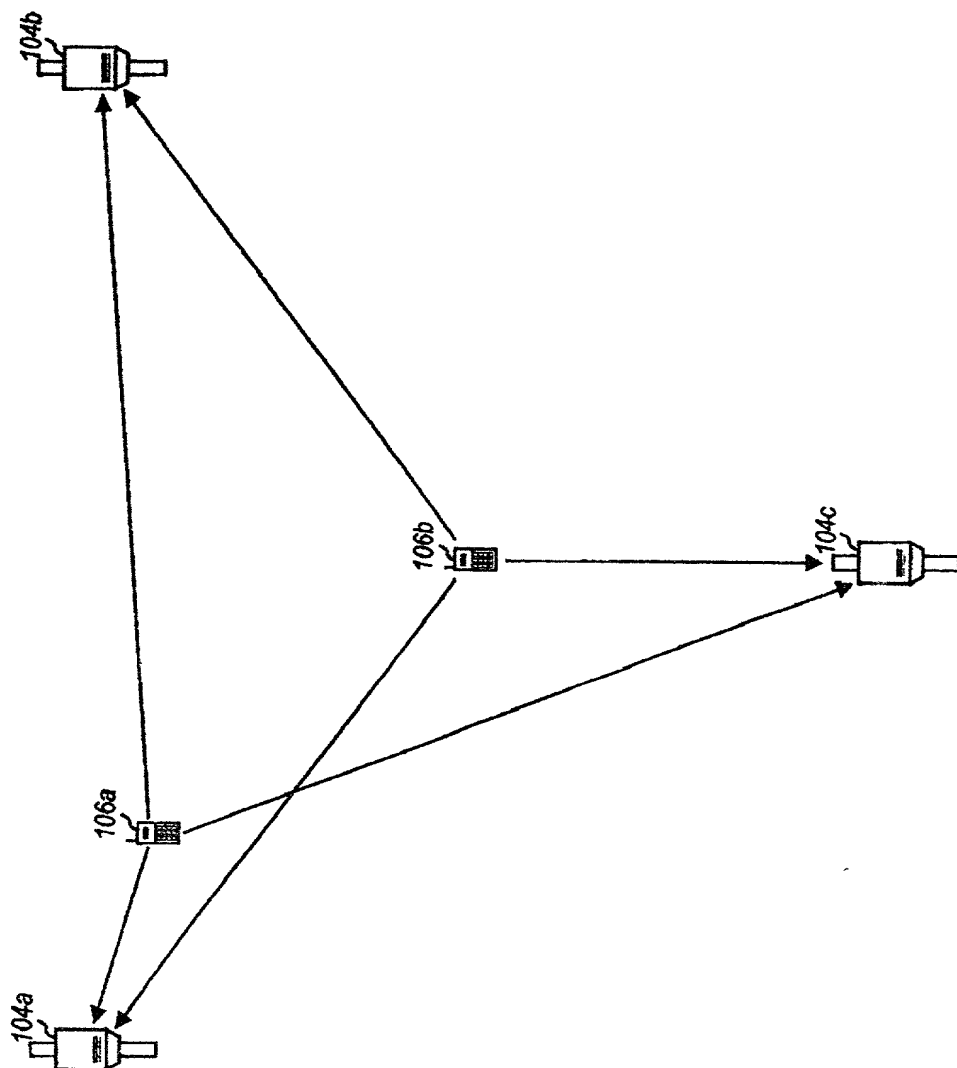
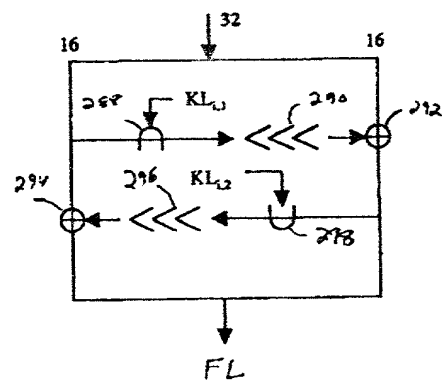
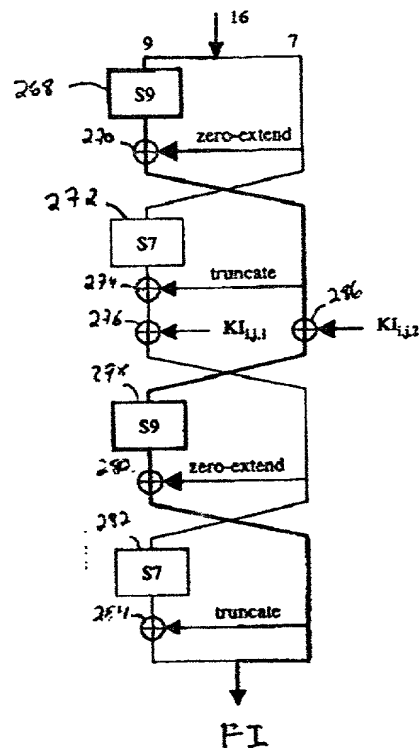
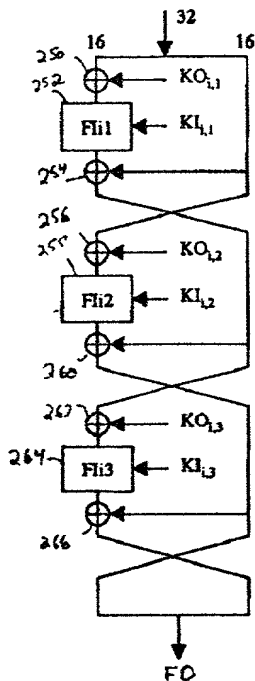
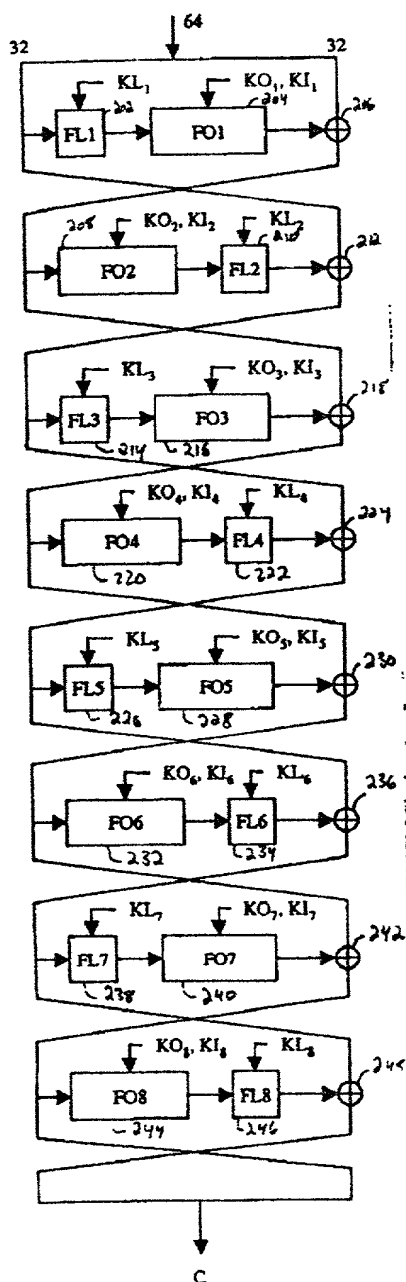


FIG. 1

0990784.02550



- \cap bitwise AND operation
- \cup bitwise OR operation
- \lll one bit left rotation

FIG. 2D

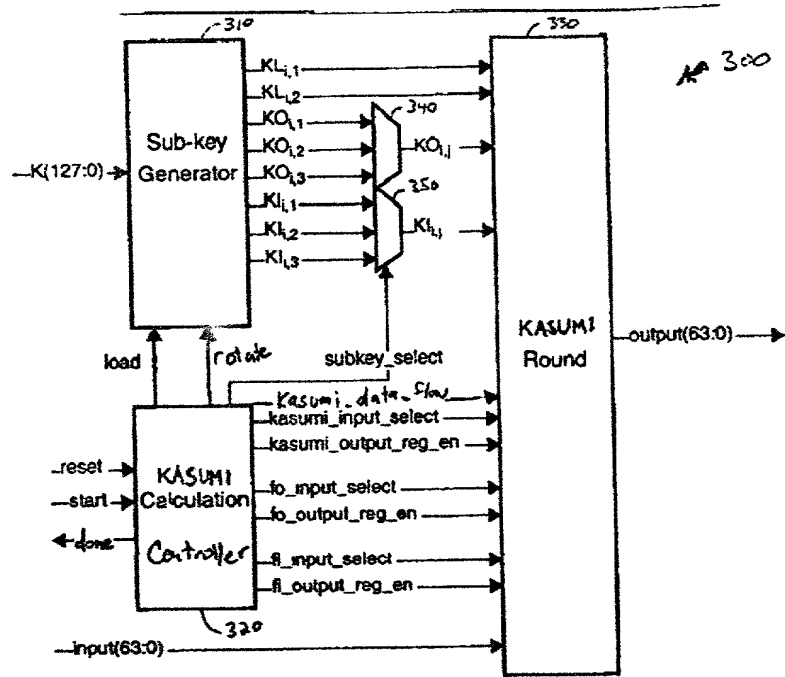
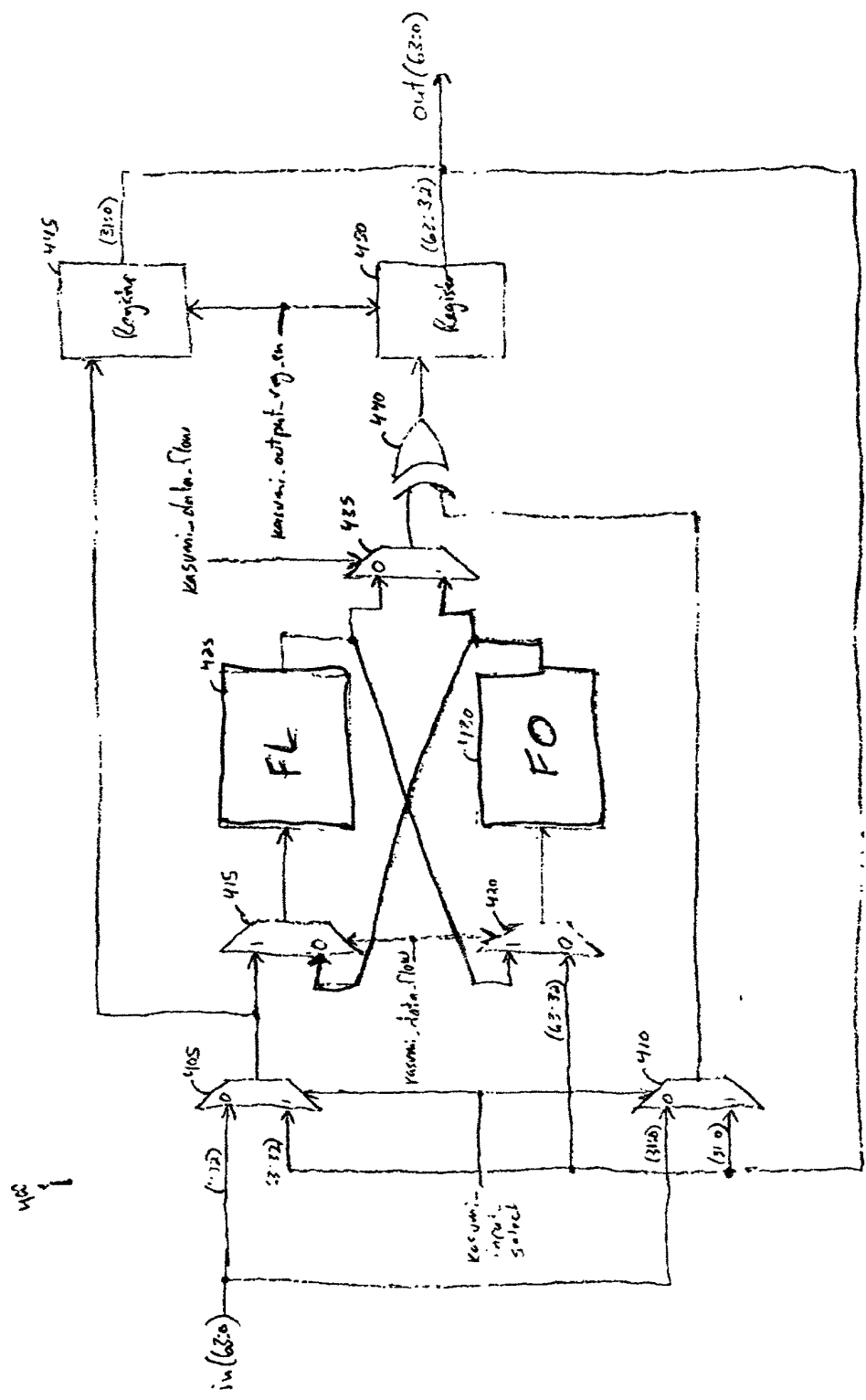
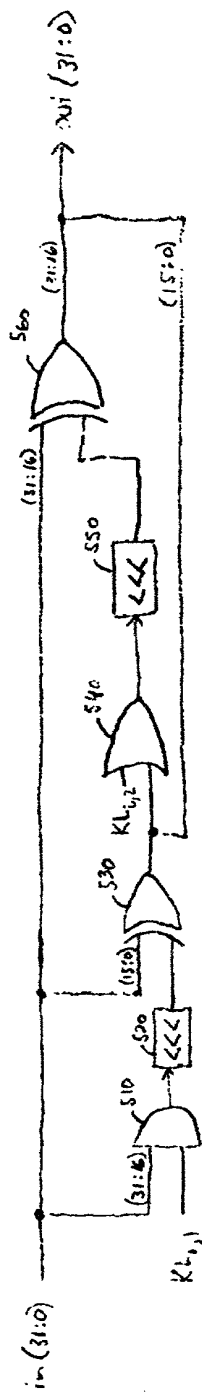


Fig. 3



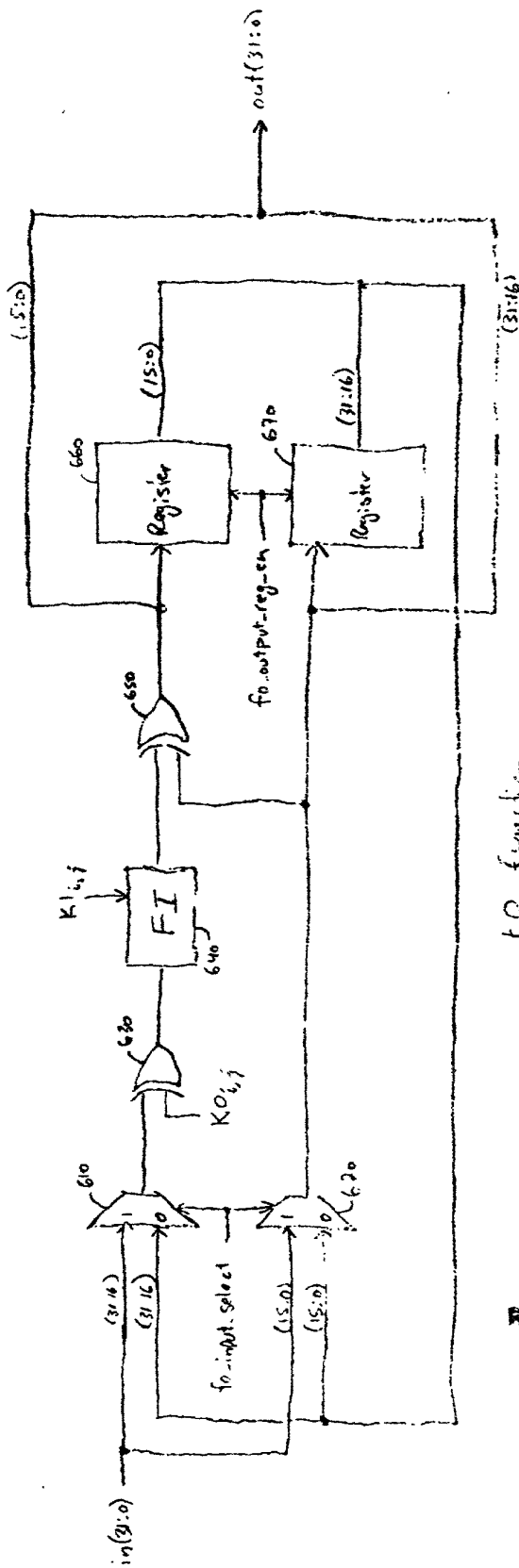
KASUMI Round
Fig. 4



FL Function

Fig. 5

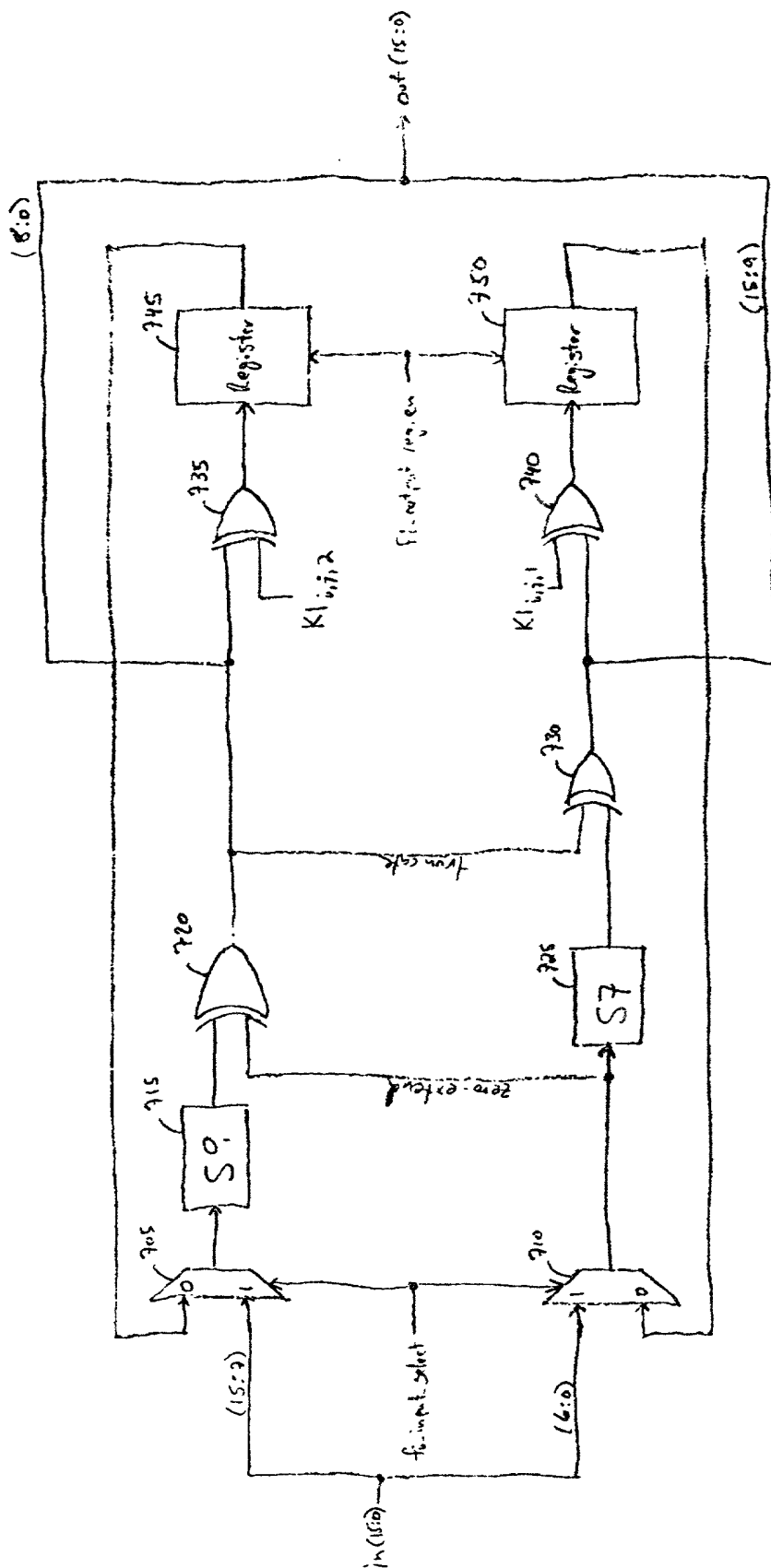
500



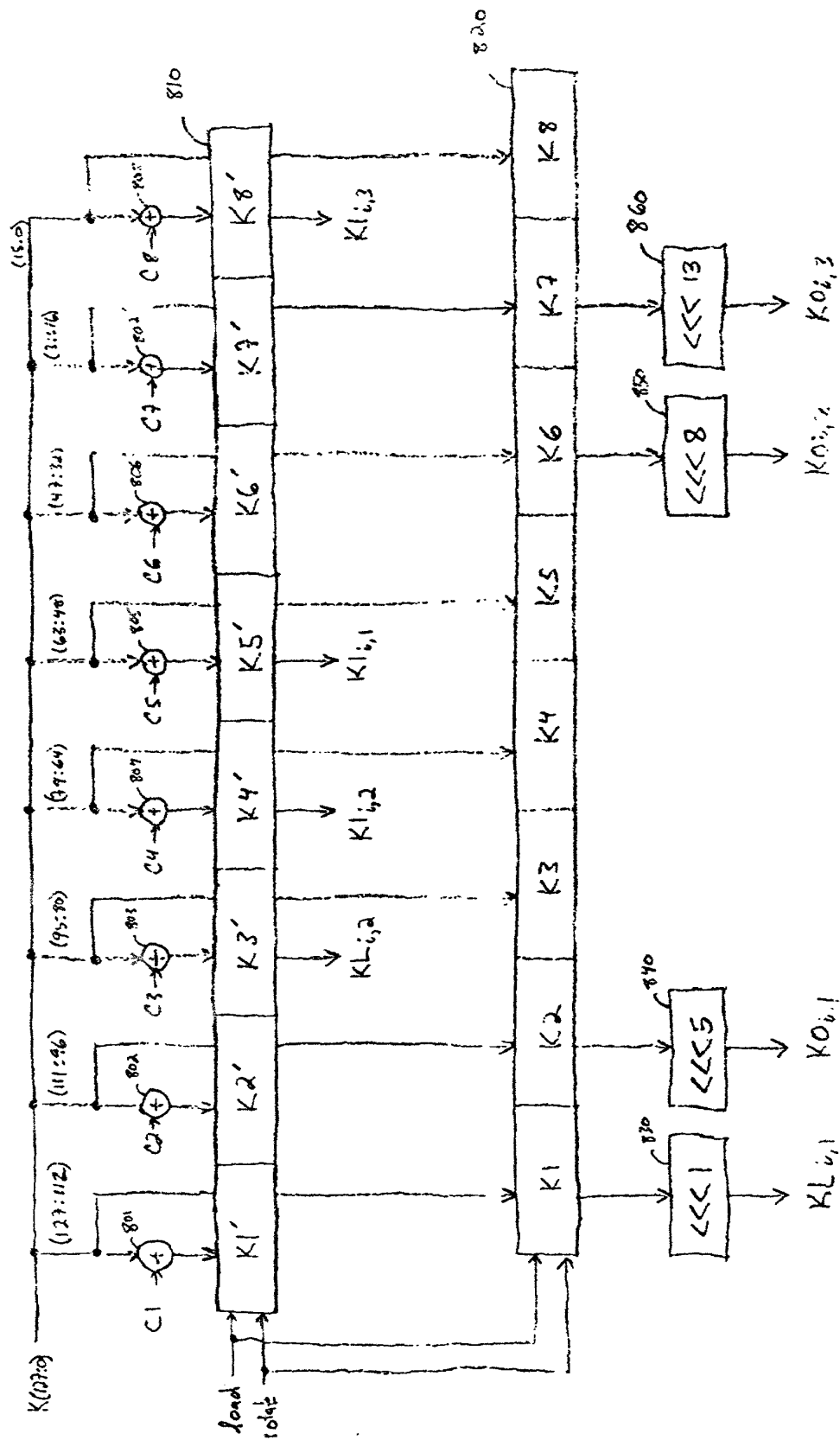
FO function

Fig. 6

600



F1 Function
Fig. 7



Sub-key Generator
Fig. 2

0920784.080101

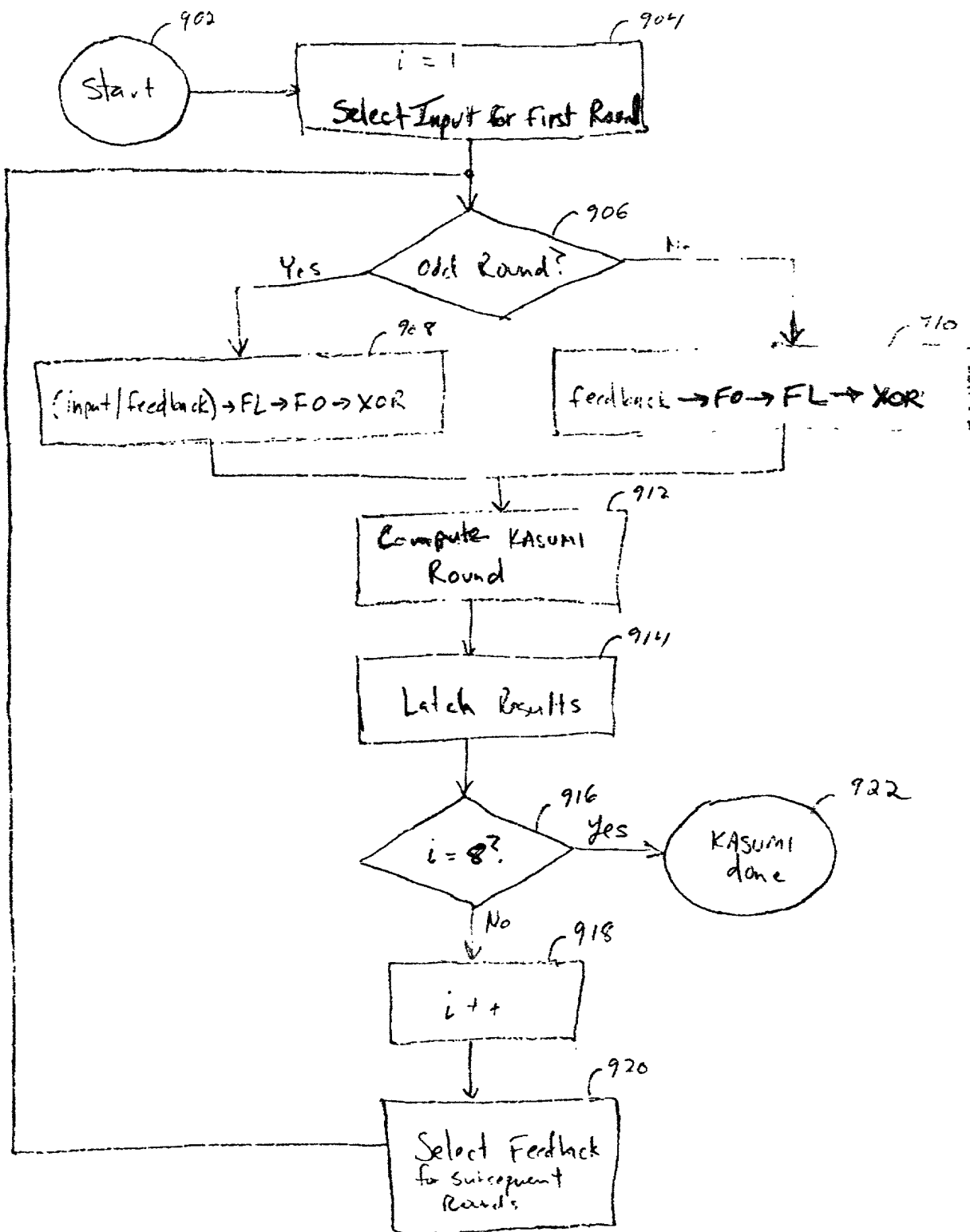


FIG. 9

0920784.080101

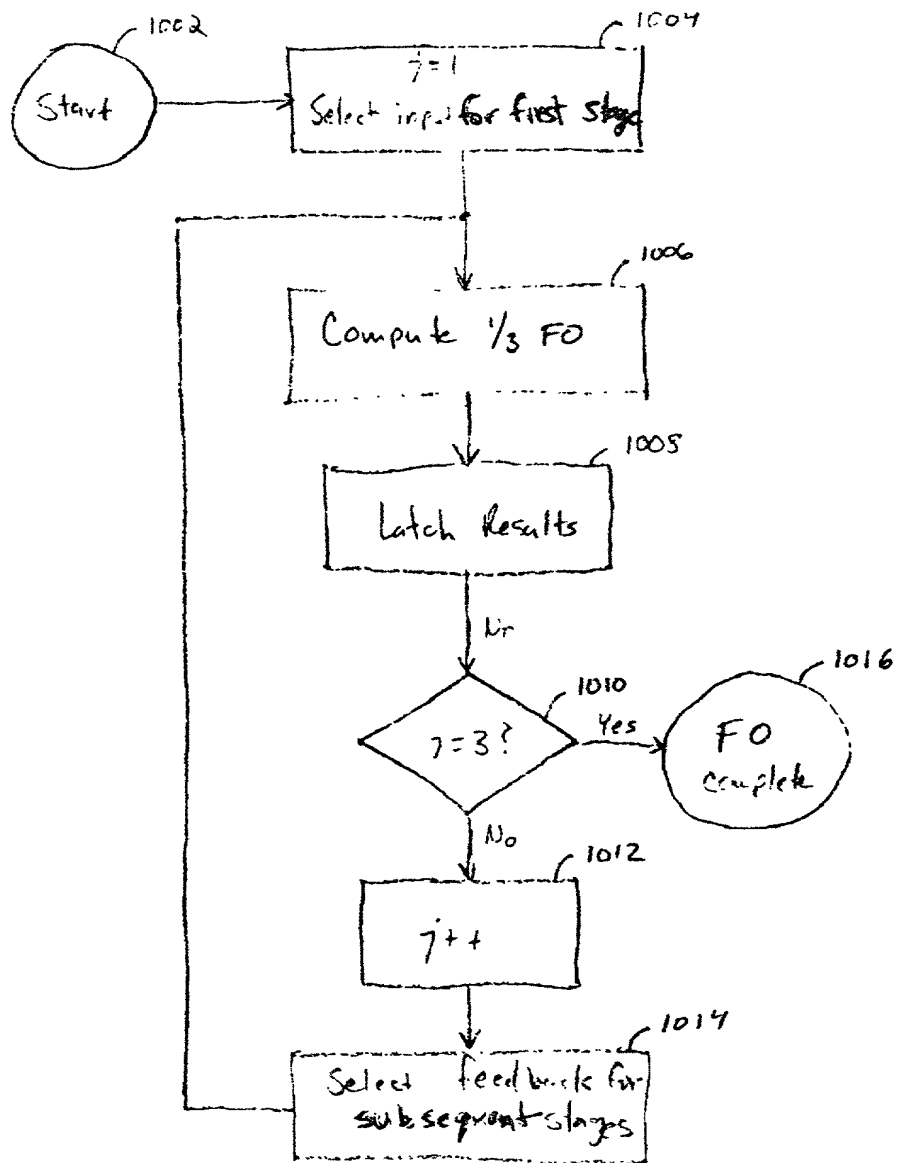


FIG. 10

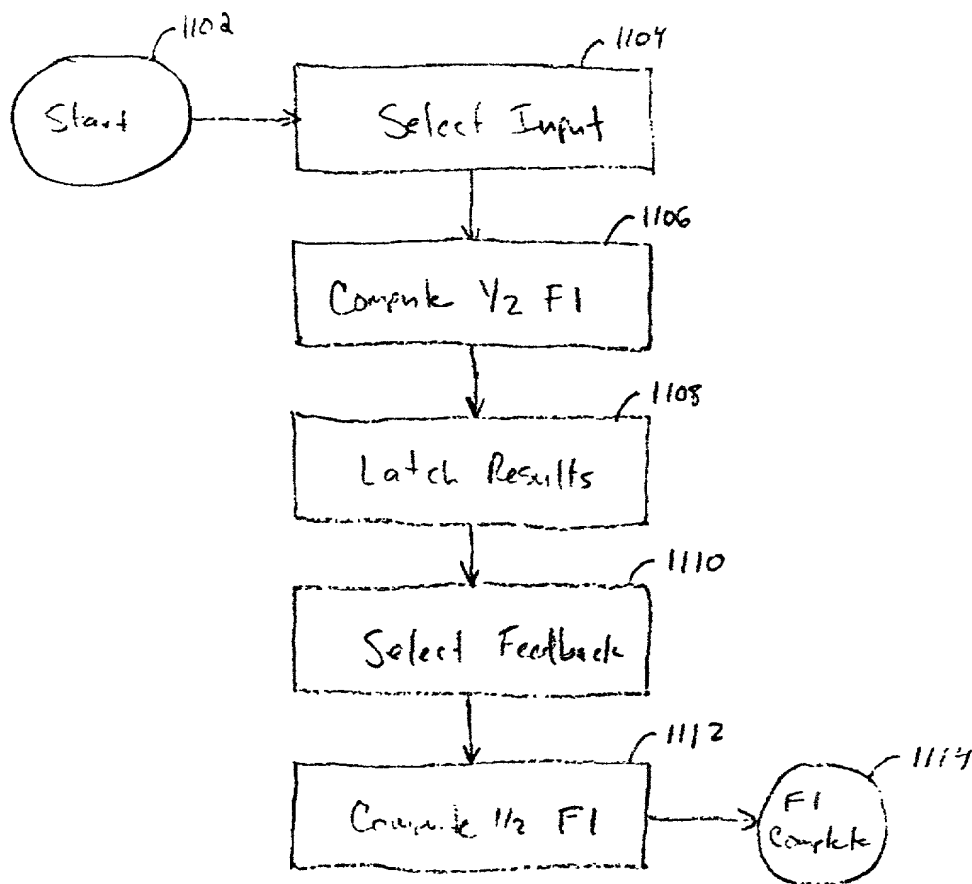


FIG. 11

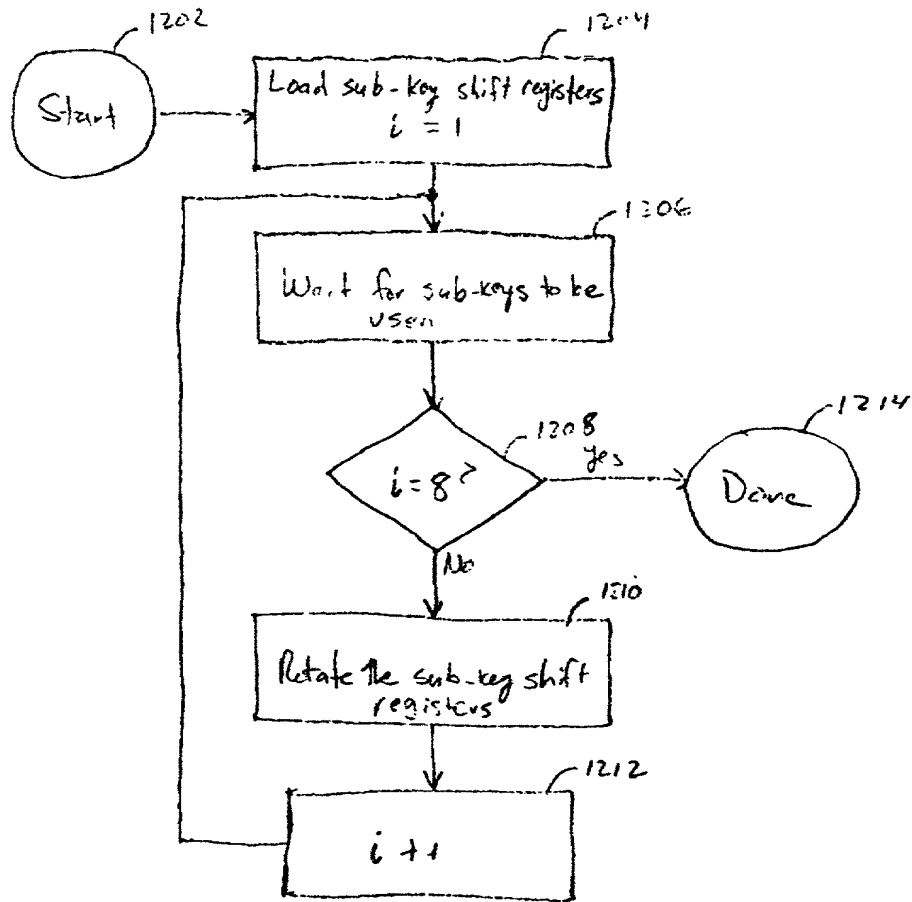


FIG. 12

0920784.000171

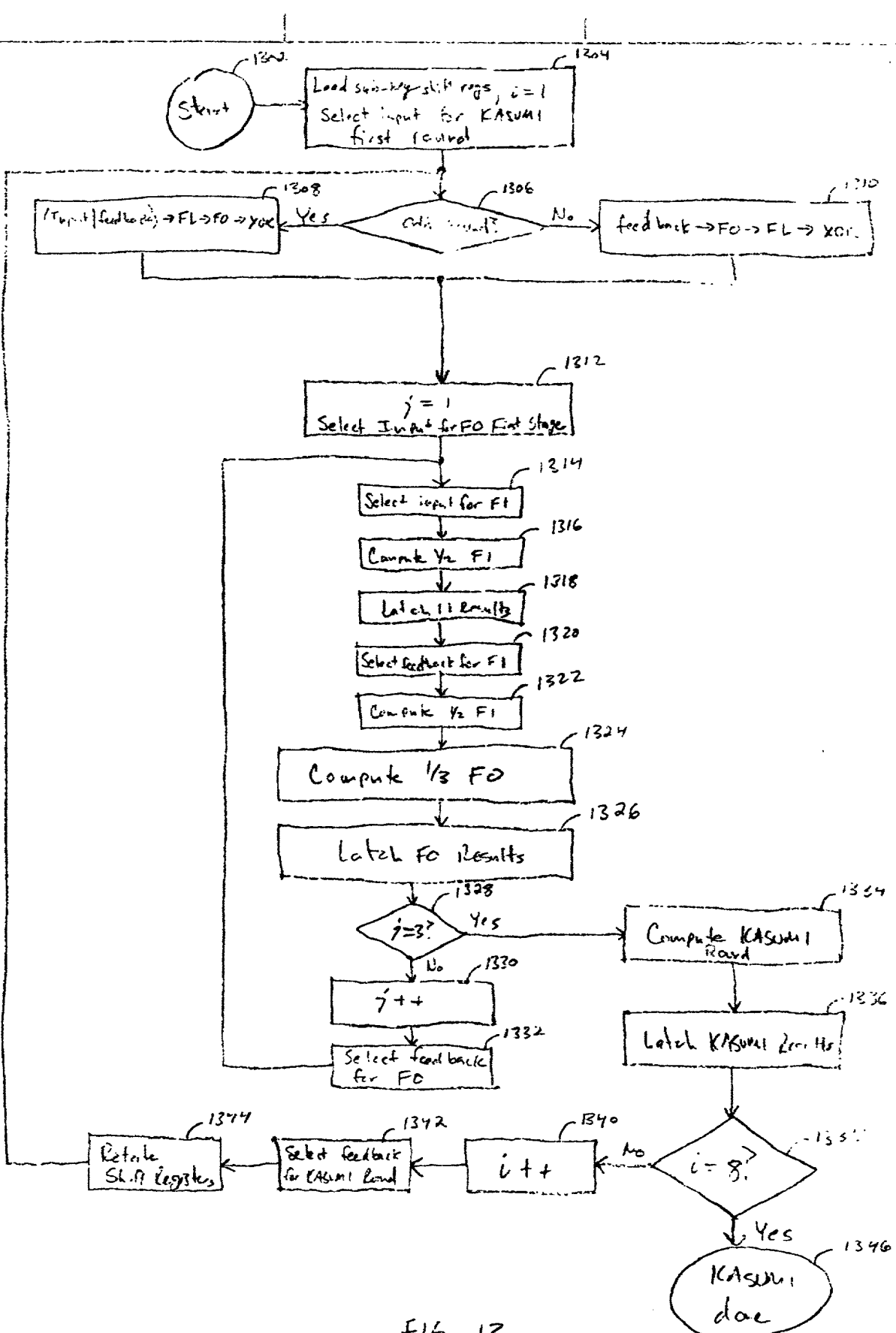


FIG. 13